

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-138319

(43)Date of publication of application : 20.05.1994

(51)Int.Cl.

G02B 5/30  
B29C 55/02  
C08J 5/18  
// C08L 29/04  
B29K 29:00  
B29L 7:00  
C08L 29:00

(21)Application number : 04-312827

(71)Applicant : KURARAY CO LTD

(22)Date of filing : 27.10.1992

(72)Inventor : NAKAO SUKEHIKO  
KUBOTSU AKIRA  
HAYASE HIROAKI  
MUKAI YOSHITERU

## (54) PVA BASED FILM AND OPTICAL FILM

(57)Abstract:

PURPOSE: To provide a PVA (polyvinylalcohol) based film having an excellent optical homogeneity, a PVA based polarizing film and a PVA based phase difference film.

CONSTITUTION: The PVA based film having a  $\cdot 1.0 \times 10^{-3}$  average double refractive index ( $\Delta n$ ) and a  $\cdot 0.13 \times 10^{-3}$  double refractive index variation ( $R_n$ ), preferably has a 20 to 100 $\mu$ m average thickness ( $t$ ) and a  $\cdot 3\%$  thickness variation ( $R_t$ ). The polarizing film using the PVA based film has a  $\cdot 0.5\%$  monochromatic transmittance variation ( $R_y$ ) and a  $\cdot 2.5$  dichroism ratio variation ( $\Delta R_d$ ). The phase difference film using the PVA based film has a  $\cdot 2\%$  phase difference variation ( $R_e$ ).

## LEGAL STATUS

[Date of request for examination] 29.06.1999

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japanese Patent Office